

WEST**Searches for User *mmedley* (Count = 118)**

Queries 69 through 118.

S #	Comment Database	Query
<u>S118</u>	DWPI	antifriction and (sorbitan sorbate and trimethylolpropane trioleate)
<u>S117</u>	DWPI	antiwear and (sorbitan sorbate and trimethylolpropane trioleate)
<u>S116</u>	DWPI	sorbitan sorbate and trimethylolpropane trioleate and antiwear
<u>S115</u>	DWPI	sorbitan sorbate and trimethylolpropane trioleate antiwear
<u>S114</u>	DWPI	sorbitan sorbate and trimethylolpropane trioleate and lubricant
<u>S113</u>	DWPI	sorbitan sorbate and trimethylolpropane trioleate
<u>S112</u>	DWPI	(sorbitan sorbate) and trimethylolpropane adj trioleate
<u>S111</u>	DWPI	(sorbitan sorbate) and (sorbitol adj sorbate)
<u>S110</u>	DWPI	sorbitan sorbate
<u>S109</u>	DWPI	sorbitol and sorbate
<u>S108</u>	DWPI	sorbitol
<u>S107</u>	DWPI	\$8sorbate
<u>S106</u>	DWPI	sorbitylsorbate
<u>S105</u>	DWPI	sorbitolsorbate
<u>S104</u>	DWPI	sorbitol adj sorbate
<u>S103</u>	DWPI	trimethylolpropane adj trioleate
<u>S102</u>	DWPI	trimethylolpropanetrioleate
<u>S101</u>	DWPI	trimethylolpropanetrioleate adj sorbate
<u>S100</u>	DWPI	trimethylolpropanetrioleate adj sorbitol adj sorbate
<u>S99</u>	DWPI	trimethylolpropane adj trioleate adj sorbitol adj sorbate
<u>S98</u>	DWPI	superabsorbent polymer and 100 and water and friction and lubricant
<u>S97</u>	DWPI	superabsorbent polymer and 100 and water and friction
<u>S96</u>	DWPI	superabsorbent and 100 and water and lubricant and friction
<u>S95</u>	DWPI	superabsorbent polymer and 100 and water and lubricant and friction
<u>S94</u>	DWPI	superabsorbent polymer and water and lubricant and friction
<u>S93</u>	DWPI	superabsorbent polymer and water and friction
<u>S92</u>	DWPI	superabsorbent polymer and water and lubricant and friction
<u>S91</u>	DWPI	superabsorbent polymer and 100 weight in water and lubricant

	U	1	Document ID	Issue Date	Pages
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 6001382 A	19991214	29
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5707945 A	19980113	5
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5696066 A	19971209	6
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5614483 A	19970325	5
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5432209 A	19950711	9
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5378249 A	19950103	9
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5328627 A	19940712	30

	U	1	Document ID	Issue Date	Pages
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5269950 A	19931214	9
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4913959 A	19900403	5
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4828925 A	19890509	5
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4797321 A	19890110	5
12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4696869 A	19870929	4

	U	1	Document ID	Issue Date	Pages
13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4690864 A	19870901	4
14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4601840 A	19860722	10
15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4589990 A	19860520	12
16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4144178 A	19790313	7
17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 4066789 A	19780103	6

	U	1	Document ID	Issue Date	Title	Current OR
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5852089 A	19981222	Rubber composition for tire treads	524/308
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 5411672 A	19950502	Lubrication oil composition	508/492
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	US 5304316 A	19940419	Deinking agent for regenerating waste printed paper comprising reaction product of compound having an OH group, a dicarboxylic acid, or an anhydride thereof	252/60

[illegible]

	Title	Current OR	Current XRef	Relevant Classifications
1	Controlled delivery compositions and processes for treating organisms in a column of water or on land	424/405	424/406 ; 424/407 ; 424/408 ; 424/409 ; 523/122 ; 523/124 ; 523/128 ; 523/129 ; 524/10 ; 524/306 ; 524/539 ; 524/9	
2	Base fluids	508/497	252/79 ; 72/42	
3	Additive for lubricating oil	508/469	508/485 ; 508/491	
4	Stabilized lubricant base material	508/550		
5	Propylene resin composition	523/200	523/210 ; 523/217 ; 524/275 ; 524/277 ; 524/283 ; 524/306 ; 524/308 ; 524/451 ; 524/505 ; 525/89 ; 525/95	
6	Biodegradable lubricant	44/388	44/389 ; 508/463 ; 508/496	
7	Fire resistant hydraulic fluids	252/79	252/77 ; 252/78.1	

[illegible]

	Title	Current OR	Current XRef
8	Textile treating compositions	428/374	252/8.82 ; 252/8.84 ; 252/8.86
9	Magnetic recording medium	428/329	427/128 ; 428/694BH ; 428/694BP ; 428/694BR ; 428/695 ; 428/900
10	Magnetic disc	428/423.9	252/62.54 ; 427/128 ; 428/694BA ; 428/694BG ; 428/694BP ; 428/694BU ; 428/695 ; 428/900
11	Magnetic recording medium	428/328	428/329 ; 428/331 ; 428/336 ; 428/694BN ; 428/694BP ; 428/695 ; 428/900
12	Magnetic recording medium	428/694BG	252/62.54 ; 427/128 ; 427/131 ; 428/328 ; 428/329 ; 428/694BP ; 428/900

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	Title	Current OR	Current XRef	R e f e r e n c e s
13	Magnetic recording medium	428/336	252/62.54 ; 427/128 ; 428/323 ; 428/328 ; 428/329 ; 428/694BN ; 428/694BP ; 428/695 ; 428/900	
14	Mist lubrication process	508/481	184/109 ; 184/6.26 ; 508/485 ; 508/490 ; 508/499 ; 585/12 ; 585/3	
15	Mist lubricant compositions	508/481	508/485 ; 508/490 ; 508/499 ; 585/12	
16	Composition for lubricating treatment of synthetic fibers	252/8.84	8/115.6	
17	Blends of lanolin wax and esters of aliphatic polyols and fatty acids	514/786	106/10 ; 106/245 ; 106/31.03 ; 106/31.63 ; 106/9 ; 424/64 ; 514/772 ; 514/787 ; 514/943	

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Document Number 1

Entry 1 of 3

File: DWPI

Feb 27, 1991

DERWENT-ACC-NO: 1991-059430

DERWENT-WEEK: 199109

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TITLE: New grease compsn. for high speed anti:friction bearing -
comprising urea thickener, sorbitan mono:oleate, barium sulphonate and
barium lanolate in synthetic lubricant base oil

INVENTOR: KINOSHITA, H; KOIZUMI, H ; KONDOH, Y ; MISHIMA, M ; NAKA, M ;
SEKIYA, M

PATENT-ASSIGNEE: NIPPON OIL KK[NIOC], NIPPON SEIKO KK[NSEI]

PRIORITY-DATA:

APPL-NO

1989JP-0214116

APPL-DATE

August 22, 1989

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 414191 A	February 27, 1991	N/A	000	N/A
DE 69004191 E	December 2, 1993	N/A	000	C10M169/06
EP 414191 B1	October 27, 1993	E	010	C10M169/06
JP 03079698 A	April 4, 1991	N/A	000	N/A
JP 95000796 B2	January 11, 1995	N/A	007	C10M169/00
US 5059336 A	October 22, 1991	N/A	000	N/A

DESIGNATED-STATES: DE GB DE GB

CITED-DOCUMENTS:FR 2378084; GB 2122639 ; US 4115284 ; US 4201681

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
EP 414191A	August 20, 1990	1990EP-0115933	N/A
DE69004191E	August 20, 1990	1990DE-0604191	N/A
DE69004191E	August 20, 1990	1990EP-0115933	N/A
DE69004191E	N/A	EP 414191	Based on
EP 414191B1	August 20, 1990	1990EP-0115933	N/A
JP03079698A	August 22, 1989	1989JP-0214116	N/A
JP95000796B2	August 22, 1989	1989JP-0214116	N/A
JP95000796B2	N/A	JP 3079698	Based on
US 5059336A	August 16, 1990	1990US-0568068	N/A

INT-CL (IPC): C10M 105/04; C10M 115/08; C10M 129/76; C10M 135/10; C10M
141/02; C10M 169/00; C10M 169/06; C10N 10/04; C10N 10/04; C10N 30/12;
C10N 30/12; C10N 40/02; C10N 40/02; C10N 50/10; C10N 50/10; C10M 115/08 ;

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Entry 20 of 28

File: DWPI

Jun 13, 1985

DERWENT-ACC-NO: 1985-184015

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TITLE: Emulsifier for water in fuel oil - comprises sorbitan fatty acid mono:ester and 3-7 per cent poly:sorbate-80 gives emulsions stable to required preheating

ABTX:

Emulsifier for producing heat-stable emulsions of water in a fuel oil comprises (i) 93-97 wt.% of a sorbitan fatty acid monoester (pref. sorbitan monooleate), and (ii) 3-7 wt.% of polysorbate-80 (i.e. the oleate ester of sorbitol copolymerised with about 20 mols ethylene oxide per mol sorbitol). The emulsion also is claimed.

TTX:

EMULSION WATER FUEL OIL COMPRISE SORBITAN FATTY ACID MONO ESTER PER CENT POLY SORBATE EMULSION STABILISED REQUIRE PREHEAT

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Document Number 1

Entry 1 of 1

File: DWPI

Jan 14, 1987

DERWENT-ACC-NO: 1987-009172

DERWENT-WEEK: 198702

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TITLE: Traction-drive lubricant compsns. - on cyclohexane derivs. with additives

INVENTOR: IKEMOTO, Y; LIZUKA, O

PATENT-ASSIGNEE: NIPPON OIL KK[NIOC]

PRIORITY-DATA:

APPL-NO

1985JP-0149631

1985JP-0149630

APPL-DATE

July 8, 1985

July 8, 1985

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 208541 A	January 14, 1987	E	015	N/A
DE 3682715 G	January 16, 1992	N/A	000	N/A
EP 208541 B	December 4, 1991	N/A	000	N/A
JP 62010193 A	January 19, 1987	N/A	000	N/A
JP 62010194 A	January 19, 1987	N/A	000	N/A

DESIGNATED-STATES: DE FR GB DE FR GB

CITED-DOCUMENTS:A3...8820; DE 3127970 ; DE 3406257 ; EP 113045 ; EP 135871 ; FR 2515185 ; GB 2102023 ; No-SR.Pub ; US 4501678 ; US 4584112

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
EP 208541A	July 8, 1986	1986EP-0305275	N/A
JP62010193A	July 8, 1985	1985JP-0149630	N/A
JP62010194A	July 8, 1985	1985JP-0149631	N/A

INT-CL (IPC): C10M 105/02; C10M 129/16; C10M 133/16; C10M 135/18; C10M 137/10; C10M 141/10; C10M 143/00; C10M 169/04; C10N 10/04; C10N 30/06; C10N 40/04; C10N 60/14

ABSTRACTED-PUB-NO: EP 208541A

BASIC-ABSTRACT:

Lubricants for use in traction drives are based on oils of formula (I), (where R1-R3 = 1-4C alkyl; R4 and R5 = CH2, CH2CH2 or CH2CH2CH2, opt. substd. by 1-4C alkyl; a, b and c = 0-2; x = 0 or 1).

The lubricants contain (a) 0.1-5 wt.% of a Zn dialkyl dithiophosphate,

(b) 0.1-5 wt.% of an opt. borated alkenylsuccinimide, and (c) 0.01-5 wt.% of a carboxylic acid partial ester of a 3-6C polyol.

Additive (a) is a Zn di(3-15C alkyl) dithiophosphate. Additive (c) is a glycerol, pentaerythritol, sorbitol or sorbitan ester of a 12-18C fatty acid.

ADVANTAGE - The compens. have high traction coeffts. (e.g. 0.087-0.088) and good oxidative and shear stability, antiwear properties and antirust properties.

ABSTRACTED-PUB-NO: EP 208541B
EQUIVALENT-ABSTRACTS:

Lubricants for use in traction drives are based on oils of formula (I), (where R1-R3 = 1-4C alkyl; R4 and R5 = CH2, CH2CH2 or CH2CH2CH2, opt. substd. by 1-4C alkyl; a, b and c = 0-2; x = 0 or 1).

The lubricants contain (a) 0.1-5 wt.% of a Zn dialkyl dithiophosphate, (b) 0.1-5 wt.% of an opt. borated alkenylsuccinimide, and (c) 0.01-5 wt.% of a carboxylic acid partial ester of a 3-6C polyol.

Additive (a) is a Zn di(3-15C alkyl) dithiophosphate. Additive (c) is a glycerol, pentaerythritol, sorbitol or sorbitan ester of a 12-18C fatty acid.

ADVANTAGE - The compens. have high traction coeffts. (e.g. 0.087-0.088) and good oxidative and shear stability, antiwear properties and antirust properties.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

DERWENT-CLASS: E15 E19 H07 M14

CPI-CODES: E05-C; E05-G09A; E05-L03D; E07-A02D; E07-D03; E10-A06;
E10-E04G; E10-E04K; E10-J02A; H07-A; M14-K;

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Document Number 5

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File: DWPI

May 20, 1986

DERWENT-ACC-NO: 1986-149893

DERWENT-WEEK: 199736

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TITLE: Mist lubricant suitable for steel mill use - comprises high-viscosity synthetic ester and polyisobutene of low and high mol. wt., giving balanced misting and lubricating properties

INVENTOR: BEIMESCH, B J; ZEHLER, E R

PATENT-ASSIGNEE: NAT DISTILLERS & CHEM CORP[NADI], HENKEL CORPERS & CHEM CORP[HENK]

PRIORITY-DATA:

APPL-NO

1985US-0747463

1985US-0747462

APPL-DATE

June 21, 1985

June 21, 1985

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 4589990 A	May 20, 1986	N/A	010	N/A
EP 206280 A	December 30, 1986	E	000	N/A
AU 8658747 A	December 24, 1986	N/A	000	N/A
BR 8602881 A	February 17, 1987	N/A	000	N/A
ES 8802247 A	July 1, 1988	N/A	000	N/A
EP 206280 B	August 29, 1990	N/A	000	N/A
DE 3673701 G	October 4, 1990	N/A	000	N/A
CA 1279061 C	January 15, 1991	N/A	000	N/A
KR 9405550 B1	June 20, 1994	N/A	000	C10M169/04

DESIGNATED-STATES: DE FR GB IT NL SE DE FR GB IT NL SE

CITED-DOCUMENTS: 1.Jnl.Ref; FR 2187892 ; FR 2187894 ; FR 2346440 ; GB 1099450 ; US 3805918 ; US 3838049 ; US 3855135 ; US 4260502 ; US 4589990

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
US 4589990A	June 21, 1985	1985US-0747463	N/A
EP 206280A	June 20, 1986	1986EP-0108427	N/A
ES 8802247A	June 19, 1986	1986ES-0556225	N/A
KR 9405550B1	June 20, 1986	1986KR-0004938	N/A

INT-CL (IPC): C10M 105/36; C10M 105/42; C10M 107/02; C10M 111/04; C10M 111/06; C10M 129/78; C10M 161/00; C10M 169/04; C10M 171/02; C10N 20/06; C10N 40/06; C10N 50/04; C10N 143/06

RELATED-ACC-NO: 1986-211768

ABSTRACTED-PUB-NO: EP 206280B
BASIC-ABSTRACT:

Improved lubricant compsn. suitable for misting comprises (pts. wt.): (1) 45-95 synthetic ester of viscosity 15-300 cSt at 40 deg.C, and selected from (a) esters derived from a 3-12C aliphatic polyol with 2-8 OH gps. and 5-20C aliphatic monocarboxylic acid(s), (b) esters derived from trimellitic acid or trimellitic acid or anhydride and a 5-16C aliphatic alcohol, and (c) esters derived from a polymeric fatty acid contg. at least 75% 36C dimer acid and a 2-13C monofunctional alcohol; (2) 8-40 polyisobutylene (PIB) of average mol. wt. 4,000-10,000; and (3) 0.1-1 PIB of average mol. wt. 25,000 to 300,000; the compsn. having viscosity 125-750 cSt at 40 deg.C.

Ester (a) is pref. derived from a 5-8C, 2-4 hydroxyl aliphatic polyol and has acid value below 15 and OH value below 100; ester (b) has acid value below 15 and OH value below 10; and ester (c) has acid value below 100 and OH value below 10. More pref. ester (a) is trimethylolpropane-trioleate or triisostearate; ester (b) is isodecyl-, isotridecyl-, or isodecyl/isotridecyl- trimellitate; and ester (c) is diisodecyl- or di-2-ethylhexyl- dimerate. Pref. average mol. wts. are 4,500-8,500 for PIB (2) and 50,000-200,000 for PIB (3).

USE/ADVANTAGE - The compsn. is esp. useful in mist lubrication of roll bearings of hot strip mills; and in conventional lubrication of gears, chains, pulleys and wire ropes. Effective amts. of well-distributed mist are obtainable, with high throughput over a wide temp. range. The mist gives minimal wax deposits and improved wetting and spreading.

ABSTRACTED-PUB-NO: US 4589990A
EQUIVALENT-ABSTRACTS:

A lubricant composition suitable for misting comprising: (1) 45 to 95 parts by wt. of a synthetic ester having a viscosity of 0.15 to 3 cm²/s (15 to 300 centistokes) at 40 deg. C and selected from the group consisting of (a) polyol esters derived from an aliphatic polyol having from 2 to 8 hydroxyl groups and 3 to 12 carbon atoms and an aliphatic monocarboxylic acid or mixture of aliphatic monocarboxylic acids having from 5 to 20 carbon atoms; (b) trimellitate esters. derived from trimellitic acid or trimellitic anhydride and an aliphatic alcohol having from 5 to 16 carbon atoms; and (c) polymeric fatty acid esters derived from a polymeric fatty acid contg. 75% or more C₃₆ dimer acid and a C₁-13 mono-functional alcohol; (2) 8 to 40 parts by wt., on a 100% polymer basis, polyisobutylene having an average molecular weight from 4,000 to 10,000; and (3) 0.1 to 1 part by wt., on a 100% polymer basis, polyisobutylene having an average molecular wt. from 25,000 to 300,000; and said composition having a viscosity of 1.25 to 7.5 cm²/s (125 to 750 centistokes) at 40 deg. C. (13pp)

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A17 A18 A97 E19 H07 M21
CPI-CODES: A04-G05; A12-W02A; E10-C02C; E10-C04; E10-E04G; E10-E04K;
E10-G02A; E10-G02B; H07-A; M21-A06;

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Document Number 4

Entry 4 of 6

File: DWPI

Dec 30, 1986

DERWENT-ACC-NO: 1986-340620

DERWENT-WEEK: 199736

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TITLE: Magnetic disc with high durability - has magnetic coating contg.
ferromagnetic powder, resin binder and solid and liq. ester lubricants

INVENTOR: DOI, T; MIYAKE, A ; MIZUSHIMA, K ; NAGATANI, H ; SAKEMOTO, A

PATENT-ASSIGNEE: HITACHI MAXELL KK[HITM]

PRIORITY-DATA:

APPL-NO

1985JP-0135800

APPL-DATE

June 20, 1985

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 206244 A	December 30, 1986	E	019	N/A
JP 61294637 A	December 25, 1986	N/A	000	N/A
✓ US 4828925 A	May 9, 1989	N/A	000	N/A
EP 206244 B	September 18, 1991	N/A	000	N/A
DE 3681510 G	October 24, 1991	N/A	000	N/A
KR 9403386 B1	April 21, 1994	N/A	000	G11B005/72

DESIGNATED-STATES: DE GB DE GB

CITED-DOCUMENTS:4.Jnl.Ref; A3...8935 ; JP59033621 ; JP59177728 ;
JP59186130 ; JP59186131 ; No-SR.Pub

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
EP 206244A	June 19, 1986	1986EP-0108319	N/A
JP61294637A	June 20, 1985	1985JP-0135800	N/A
US 4828925A	June 18, 1986	1986US-0875581	N/A
KR 9403386B1	May 19, 1986	1986KR-0003873	N/A

INT-CL (IPC): G11B 5/70; G11B 5/72

ABSTRACTED-PUB-NO: EP 206244A

BASIC-ABSTRACT:

Magnetic disc comprising a non-magnetic support and a magnetic layer comprising a ferromagnetic powder, a binder, an aliphatic acid ester (I) with m.pt. not higher than 10 deg.C and an aliphatic acid ester (II) with m.pt. of 15-60 deg.C.

Ferromagnetic powder is pref. a magnetic metal powder. The binder is esp.

a polyurethane resin. The ester (I) is pref. n-butyl oleate, hexyl oleate, n-octyl oleate, oleyl oleate, n-butyl laurate, heptyl laurate, n-butyl myristate, n-butoxyethyl oleate, trimethylolpropane trioleate or (esp.) 2-ethylhexyl oleate. The solid ester (II) is pref. stearyl laurate, cetyl laurate, myristyl laurate, stearyl myristate, cetyl myristate, myristyl myristate, stearyl palmitate, cetyl palmitate, myristyl palmitate, lauryl palmitate, cetyl stearate, myristyl stearate, lauryl stearate, n-butyl stearate, lauryl myristate, lauryl laurate, n-butoxyethyl stearate, n-penta-oxyethyl stearate or (sep.) n-butoxyethyl stearate.

USE/ADVANTAGE - The liq. aliphatic ester (I) is stably compatible with the binder resin and has good chemical affinity with the solid ester (II) to give a magnetic coating with good long-term lubricity and durability together with high strength and resistance to deterioration by sliding contact with the magnetic head.

ABSTRACTED-PUB-NO: EP 206244B
EQUIVALENT-ABSTRACTS:

Magnetic disc comprising a non-magnetic support and a magnetic layer comprising a ferromagnetic powder, a binder, an aliphatic acid ester (I) with m.pt. not higher than 10 deg.C and an aliphatic acid ester (II) with m.pt. of 15-60 deg.C.

Ferromagnetic powder is pref. a magnetic metal powder. The binder is esp. a polyurethane resin. The ester (I) is pref. n-butyl oleate, hexyl oleate, n-octyl oleate, oleyl oleate, n-butyl laurate, heptyl laurate, n-butyl myristate, n-butoxyethyl oleate, trimethylolpropane trioleate or (esp.) 2-ethylhexyl oleate. The solid ester (II) is pref. stearyl laurate, cetyl laurate, myristyl laurate, stearyl myristate, cetyl myristate, myristyl myristate, stearyl palmitate, cetyl palmitate, myristyl palmitate, lauryl palmitate, cetyl stearate, myristyl stearate, lauryl stearate, n-butyl stearate, lauryl myristate, lauryl laurate, n-butoxyethyl stearate, n-penta-oxyethyl stearate or (sep.) n-butoxyethyl stearate.

USE/ADVANTAGE - The liq. aliphatic ester (I) is stably compatible with the binder resin and has good chemical affinity with the solid ester (II) to give a magnetic coating with good long-term lubricity and durability together with high strength and resistance to deterioration by sliding contact with the magnetic head.

US 4828925A

Magnetic disc comprises a nonmagnetic support substrate and a magnetic coating comprising (A) ferromagnetic powder, (B) binder, (C) aliphatic acid ester of m.pt., up to 10 deg.C and (D) aliphatic acid ester of m.pt., 15-60 deg.C (C) is n-butyl, hexyl, n-octyl, 2-ethylhexyl or oleyl oleate, n-butyl or heptyl laurate, n-butyl myristate, n-butoxyethyl oleate or trimethylolpropane trioleate. (D) is n-butoxyethyl or n-butoxypropyl stearate. Total (C) and (D) is 10-100 wt.% of (B) wt. ratio (C):(D) is 10:1-1:10. Pref. (B) is polyurethane resin.

ADVANTAGE - Coating has improved lubricity and durability. (5pp)

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

DERWENT-CLASS: A25 A85 E17 L03 T03 V02
CPI-CODES: A05-G01E2; A12-E08A2; E10-G02H; L03-B05D3;
EPI-CODES: T03-A01A; T03-N01; V02-B;

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Full Title Citation Front Review Classification Date Reference Claims R000

Document Number 5

Entry 5 of 6

File: DWPI

May 20, 1986

DERWENT-ACC-NO: 1986-149893

DERWENT-WEEK: 199736

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TITLE: Mist lubricant suitable for steel mill use - comprises
high-viscosity synthetic ester and polyisobutene of low and high mol.
wt., giving balanced misting and lubricating properties

INVENTOR: BEIMESCH, B J; ZEHLER, E R

PATENT-ASSIGNEE: NAT DISTILLERS & CHEM CORP[NADI], HENKEL CORPERS & CHEM
CORP[HENK]

PRIORITY-DATA:

APPL-NO

1985US-0747463

1985US-0747462

APPL-DATE

June 21, 1985

June 21, 1985

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 4589990 A	May 20, 1986	N/A	010	N/A
EP 206280 A	December 30, 1986	E	000	N/A
AU 8658747 A	December 24, 1986	N/A	000	N/A
BR 8602881 A	February 17, 1987	N/A	000	N/A
ES 8802247 A	July 1, 1988	N/A	000	N/A
EP 206280 B	August 29, 1990	N/A	000	N/A
DE 3673701 G	October 4, 1990	N/A	000	N/A
CA 1279061 C	January 15, 1991	N/A	000	N/A
KR 9405550 B1	June 20, 1994	N/A	000	C10M169/04

DESIGNATED-STATES: DE FR GB IT NL SE DE FR GB IT NL SE

CITED-DOCUMENTS:1.Jnl.Ref; FR 2187892 ; FR 2187894 ; FR 2346440 ; GB
1099450 ; US 3805918 ; US 3838049 ; US 3855135 ; US 4260502 ; US 4589990

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
US 4589990A	June 21, 1985	1985US-0747463	N/A
EP 206280A	June 20, 1986	1986EP-0108427	N/A
ES 8802247A	June 19, 1986	1986ES-0556225	N/A
KR 9405550B1	June 20, 1986	1986KR-0004938	N/A

INT-CL (IPC): C10M 105/36; C10M 105/42; C10M 107/02; C10M 111/04; C10M
111/06; C10M 129/78; C10M 161/00; C10M 169/04; C10M 171/02; C10N 20/06;
C10N 40/06; C10N 50/04; C10N 143/06

RELATED-ACC-NO: 1986-211768

ABSTRACTED-PUB-NO: EP 206280B
BASIC-ABSTRACT:

Improved lubricant compsn. suitable for misting comprises (pts. wt.): (1) 45-95 synthetic ester of viscosity 15-300 cSt at 40 deg.C, and selected from (a) esters derived from a 3-12C aliphatic polyol with 2-8 OH gps. and 5-20C aliphatic monocarboxylic acid(s), (b) esters derived from trimellitic acid or trimellitic acid or anhydride and a 5-16C aliphatic alcohol, and (c) esters derived from a polymeric fatty acid contg. at least 75% 36C dimer acid and a 2-13C monofunctional alcohol; (2) 8-40 polyisobutylene (PIB) of average mol. wt. 4,000-10,000; and (3) 0.1-1 PIB of average mol. wt. 25,000 to 300,000; the compsn. having viscosity 125-750 cSt at 40 deg.C.

Ester (a) is pref. derived from a 5-8C, 2-4 hydroxyl aliphatic polyol and has acid value below 15 and OH value below 100; ester (b) has acid value below 15 and OH value below 10; and ester (c) has acid value below 100 and OH value below 10. More pref. ester (a) is trimethylolpropane-trioleate or triisostearate; ester (b) is isodecyl-, isotridecyl-, or isodecyl/isotridecyl- trimellitate; and ester (c) is diisodecyl- or di-2-ethylhexyl- dimerate. Pref. average mol. wts. are 4,500-8,500 for PIB (2) and 50,000-200,000 for PIB (3).

USE/ADVANTAGE - The compsn. is esp. useful in mist lubrication of roll bearings of hot strip mills; and in conventional lubrication of gears, chains, pulleys and wire ropes. Effective amts. of well-distributed mist are obtainable, with high throughput over a wide temp. range. The mist gives minimal wax deposits and improved wetting and spreading.

ABSTRACTED-PUB-NO: US 4589990A
EQUIVALENT-ABSTRACTS:

A lubricant composition suitable for misting comprising: (1) 45 to 95 parts by wt. of a synthetic ester having a viscosity of 0.15 to 3 cm²/s (15 to 300 centistokes) at 40 deg. C and selected from the group consisting of (a) polyol esters derived from an aliphatic polyol having from 2 to 8 hydroxyl groups and 3 to 12 carbon atoms and an aliphatic monocarboxylic acid or mixture of aliphatic monocarboxylic acids having from 5 to 20 carbon atoms; (b) trimellitate esters derived from trimellitic acid or trimellitic anhydride and an aliphatic alcohol having from 5 to 16 carbon atoms; and (c) polymeric fatty acid esters derived from a polymeric fatty acid contg. 75% or more C₃₆ dimer acid and a C₁₁₋₁₃ mono-functional alcohol; (2) 8 to 40 parts by wt., on a 100% polymer basis, polyisobutylene having an average molecular weight from 4,000 to 10,000; and (3) 0.1 to 1 part by wt., on a 100% polymer basis, polyisobutylene having an average molecular wt. from 25,000 to 300,000; and said composition having a viscosity of 1.25 to 7.5 cm²/s (125 to 750 centistokes) at 40 deg. C. (13pp)

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A17 A18 A97 E19 H07 M21
CPI-CODES: A04-G05; A12-W02A; E10-C02C; E10-C04; E10-E04G; E10-E04K;
E10-G02A; E10-G02B; H07-A; M21-A06;

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ABSTRACTED-PUB-NO: JP59033381A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: A14 A93 Q49

CPI-CODES: A07-B02; A07-B03; A12-H10; A12-W10;

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Entry 23 of 28

File: DWPI

Jul 13, 1982

DERWENT-ACC-NO: 1982-63544E

COPYRIGHT 2000 DERWENT INFORMATION LTD

TITLE: Method of de:panning backed goods - by spraying liq. compsn.
contg. mono: and di:glyceride(s), poly:sorbate and mostly water**ABTX:**

Baked goods are de-panned from the baking pan by spraying a liq. compsn. onto the pan before the item to baked is placed in the pan or before it is fully proofed. The liq. compsn. (m.pt. ca 45 deg. F; at least 80% by wt. H2O) contains glycerides (I) (mono- and di-) derived from animal fats and/or vegetable oils, and an ethoxylated fatty acid ester (II) of sorbitol.

ABTX:

Liq. compsns. contain (by wt.) 3.5-9% (I); 2.5-6.5% (II); pref. 83-93% H2O; and pref. also ca 2% unbleached liq. lecithin, 0.1-0.2% K sorbate, and 0.015-0.3% citric acid; and has ratio (I):(II) pref. 1.4-1.5. A pref. (I) is 'Tandem 552' (RTM). (II) is pref. derived from the reaction of ethylene oxide and the sorbitan ester of stearic acid.

TTX:

METHOD DE PAN BACK GOODS SPRAY LIQUID COMPOSITION CONTAIN MONO DI GLYCERIDE POLY SORBATE WATER

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Document Number 23

Entry 23 of 28

File: DWPI

Jul 13, 1982

DERWENT-ACC-NO: 1982-63544E

DERWENT-WEEK: 198230

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TITLE: Method of de:panning backed goods - by spraying liq. compsn.
contg. mono: and di:glyceride(s), poly:sorbate and mostly water

INVENTOR: STROUSS, O L

PATENT-ASSIGNEE: STROUSS O L[STROI]

PRIORITY-DATA:

APPL-NO

APPL-DATE

1980US-0191278

September 26, 1980

1979US-0085127

October 15, 1979

1984US-0620529

June 12, 1984

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

US 4339465 A

July 13, 1982

N/A

006

N/A

INT-CL (IPC): A21D 8/08; A23D 5/00

ABSTRACTED-PUB-NO: US 4339465A

BASIC-ABSTRACT:

Baked goods are de-panned from the baking pan by spraying a liq. compsn. onto the pan before the item to baked is placed in the pan or before it is fully proofed. The liq. compsn. (m.pt. ca 45 deg. F; at least 80% by wt. H2O) contains glycerides (I) (mono- and di-) derived from animal fats and/or vegetable oils, and an ethoxylated fatty acid ester (II) of sorbitol.

Liq. compsns. contain (by wt.) 3.5-9% (I); 2.5-6.5% (II); pref. 83-93% H2O; and pref. also ca 2% unbleached liq. lecithin, 0.1-0.2% K sorbate, and 0.015-0.3% citric acid; and has ratio (I):(II) pref. 1.4-1.5. A pref. (I) is 'Tandem 552' (RTM). (II) is pref. derived from the reaction of ethylene oxide and the sorbitan ester of stearic acid.

Use of the compsn. allows the effective and easy removal of baked goods (esp. yeast-raised prods.), reduces the build-up of residual C on pan surfaces, does not affect the colour of baked dough, and may be applied by spraying.

ABSTRACTED-PUB-NO: US 4339465A

EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: D11

CPI-CODES: D01-A06;

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KWC

Document Number 22

Entry 22 of 28

File: DWPI

May 11, 1984

DERWENT-ACC-NO: 1984-148069

DERWENT-WEEK: 198424

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TITLE: Sweet etc. for chewing or sucking by adults or children - with less risk of dental caries by sweetening with xylitol

INVENTOR: FARGEON, V

PATENT-ASSIGNEE: DUBARRY P[DUBAI]

PRIORITY-DATA:

APPL-NO

1982FR-0018532

APPL-DATE

November 4, 1982

PATENT-FAMILY:

PUB-NO

FR 2535608 A

PUB-DATE

May 11, 1984

LANGUAGE

N/A

PAGES

025

MAIN-IPC

N/A

APPLICATION-DATA:

PUB-NO

FR 2535608A

APPL-DATE

November 4, 1982

APPL-NO

1982FR-0018532

APPL-DESCRIPTOR

N/A

INT-CL (IPC): A23G 3/00; A61J 3/07; A61K 9/48; A61K 31/04

ABSTRACTED-PUB-NO: FR 2535608A

BASIC-ABSTRACT:

The sweet is a capsule composed of two halves fixed together and contg. between them a gas or gas mixt.. The capsule material includes gelatin and a plasticiser, together with a sweetening agent.

The ingredients include (a) 15 - 60 wt.% gelatin; (b) 15 - 70 wt.% plasticiser, e.g. glycerine and/or sorbitol; and (c) balance to 70 wt.% xylitol.

Pref. the wt.% of xylitol is 30 - 60 (49 - 50). Other ingredients are (a) up to 5% flavouring; (b) up to 3% taste enhancer, e.g. citric acid; (c) food preservative, e.g. potassium sorbate; (d) up to 5% colouring agent, e.g. cochineal; (e) fluorine to combat dental caries; and (f) up to 2% sweetener, e.g. such saccharin sodium.

The material thickness of each half capsule should be 0.3 - 2.5 (1.3 - 1.4) mm. The gas inside the capsule is pref. air or an inert gas such as nitrogen.

This sweet etc. is made without sucrose but retains an equally good taste and texture as sucrose-based sweets. The substitution of xylitol as principal sweetening agent avoids dental caries. This makes the sweet partic. suitable for children and its dental protective quality is

partic. suitable for children and its dental protective quality is enhanced by the inclusion of fluorine.

ABSTRACTED-PUB-NO: FR 2535608A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/1

DERWENT-CLASS: B05 D13 D21 E19 P33

CPI-CODES: B04-B04A; B10-A07; B12-L03; B12-M11; D03-E; D03-H01A; E10-A07;

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C10M 129/76; C10M 133/10; C10M 133/20; C10M 135/10; C10M 159/02; C10M 169/06; C10M 105/04; C10M 105/38; C10M 115/08; C10M 129/40; C10M 129/76; C10M 135/10; C10M 169/00

ABSTRACTED-PUB-NO: EP 414191A
BASIC-ABSTRACT:

A grease for high speed anti-friction bearings is described comprising: (A) a urea cpd thickening agent, (B) sorbitan monooleate, (C) barium sulphate and (D) barium lanolate, in a synthetic lubricant base oil. Any commonly used synthetic lubricant base oil may be used, pref with viscosity 20-300 cSt at 40 deg C. (A) Any of the urea cpds known as grease thickeners may be used. Most pref is a mixt of at least two cpds represented by formula R2NHCONHR1-NHCONH-R3e where R1 = C6-C15 divalent aromatic hydrocarbon residue; R2, R3 = cyclohexyl, C7-C12 cyclohexyl, derived gp or C8-C20 alkyl or alkenyl gp. Concn of (A) is 2-30 wt%, pref 3-25 wt%. (B) Concn is 0.2-3.0 wt%, pref 0.5-2.0 wt%. (C) Concn is 0.2-3.0 wt%, pref 0.5-2.0 wt%. (D) Concn is 0.2-3.0 wt%, pref 0.5-2.0 wt%. Other additives may be used to improve the properties of the grease compsn.

USE/ADVANTAGE - The invention is a grease compsn for use in roller bearings or in high speed anti-friction bearings employed in eg electrical appliances (eg car alternators), fluid couplings for cooling fans, timing belt tensioners or air pumps.

ABSTRACTED-PUB-NO: EP 414191B
EQUIVALENT-ABSTRACTS:

A grease composition for a high speed anti-friction bearing comprising, in a synthetic lubricant base oil, (A) 2 to 30 wt.% of a thickening agent consisting of an urea compound, (B) 0.2 to 30 wt.% of sorbitan monooleate, (C) 0.2 to 3.0 wt.% barium sulfonate, and (D) 0.2 to 3.0 wt.% of barium lanolate, as indispensable components, each weight percentage being based on the total weight of the composition.

US 5059336A

Grease compsn. comprises 2-30 wt.% of a urea cpd. as thickening agent, 0.2-30 wt.% sorbitan monooleate, 0.2-3 wt.% Ba sulphate and 0.2-3 wt.% Ba lanolate in a synthetic lubricant base oil. Base oil is e.g. poly alpha-olefins, alkyl benzenes, alkyl naphthalens, polyol esters, poly glycols, etc. poly alpha-olefins and/or pentaerythritol esters of fatty acids. Pref. viscosity of oil is 20-300 cSt at 40 deg.C. Pref. urea cpd. is a mixt. contg. diurea cpds., and is free of solvent.

USE/ADVANTAGE - Used as a grease for a high speed antifriction or roller bearings which are used in electrical components. @(7pp)

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

DERWENT-CLASS: E19 H07

CPI-CODES: E05-B01; E07-A02D; E10-A09B8; E10-A13B; E10-G02G; H07-C;

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Full Title Citation Front Review Classification Date Reference Claims KWIC

Document Number 2

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File: DWPI

Feb 23, 1984

DERWENT-ACC-NO: 1984-084535

DERWENT-WEEK: 198414

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TITLE: Antifriction compsn. for shield excavation - comprises polymer emulsion with additives and mineral material

PATENT-ASSIGNEE: DAIICHI KOGYO SEIYAKU CO LTD(DAI)

PRIORITY-DATA:

APPL-NO

1982JP-0142826

APPL-DATE

August 17, 1982

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59033381 A	February 23, 1984	N/A	005	N/A
JP 90046076 B	October 12, 1990	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
JP59033381A	August 17, 1982	1982JP-0142826	N/A
JP90046076B	August 17, 1982	1982JP-0142826	N/A

INT-CL (IPC): C09K 7/02; E21D 9/06

ABSTRACTED-PUB-NO: JP59033381A

BASIC-ABSTRACT:

The antifriction compsn. comprises (A) 100 wt. pts. water, (B) 0.2-10 wt. pts. O/W polymer emulsion or O/W polymer emulsion contg. extreme press. additive, lubricant, mineral, animal or vegetable oil and emulsifier and (C) 2-20 wt. pts. mineral material.

The antifriction compsn. is dispersed easily in water to provide highly viscous emulsion having high antifriction activity. It is used in shield excavation for extending the excavating distance.

The antifriction compsn. is prepd. by emulsifying a vinyl monomer (e.g. acrylamide, (meth)acrylic acid, emthyl (meth)acrylate or maleic anhydride) in mineral oil (e.g. toluene, light oil, naphtha or liquid paraffin) in the presence of an emulsifier (e.g. petroleum sulphonate salt, alkyl or alkylaryl sulphonate salt, alkyl or alkylaryl ethoxylate, sorbitan fatty acid ester or polyalkylene glycol ether) and polymerising the vinyl monomer by adding to emulsion a catalyst (e.g. 2,2'-azobisisobut yronitrile or benzyl peroxide) and extreme press. additive or lubricant (e.g. chlorinated fatty acid, chlorinated fatty acid ester, sulphidised fat, sulphidised fatty acid, organic Mo cpd., organic P cpd., polyalkylene glycol or petroleum sulphonate salt), and mineral oil for adjusting the polymer concn..